

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Donald J. Dale on 04/10/2008.

It should be noted that Abstract fails to comply with MPEP § 608.01(b) (c) in that Abstract exceeded more than 150 words. Abstract is hereby corrected as shown below.

ABSTRACT OF THE DISCLOSURE

A display apparatus has a display area which is divided into first and second display sections that can be independently driven in a scan direction and scanned collaterally. A control circuit controls signal line driving circuits such that the scanning signal lines of the respective display sections are sequentially selected during a plurality of time periods in one frame and the respective display sections are repeatedly scanned in one cycle as many times as the number of the time periods. The signal line driving circuits are supplied with one of the display data and interpolation display data during at least one time period, whereas supplied with the other one of the display data and the interpolation display data during at least one other time period. This ensures to avoid the reduction of brightness and to improve the display quality of moving images.

Allowable Subject Matter

2. Claims 1-41, are allowed over the prior art of record.
3. The following is the examiner's statement for allowance:
 - (1) Regarding claims 1-11, 29-32, 39 and 40:

The most pertinent prior art is: Yamazaki et al (US 2002/0154089 A1), in Fig. 7 is cited to teach a data holding display apparatus , comprising: display means (i.e. 001a, 001b, 001c, and 001d) of data holding type for displaying a display signal, said display means being divided into a plurality of display sections (i.e. multiple display sections in the panel) each capable of being independently driven, and in said display means the display signal being written into data signal lines (i.e. column lines) connected to pixels (i.e. pixel matrices) of the display section that have been selected; a plurality of data signal line driving means, provided for the respective display sections, for supplying the data signal line with the display signal corresponding to inputted display data (i.e. source data).

Greene (US Patent 5668569) in Fig. 3 multiple display section with control means (i.e. video controller) for driving individual section of the display panel and interpolation coefficient for correcting luminance in the tiles but Greene does not disclose **a control means for supplying each of the data signal line driving means with either one of the display data corresponding to input image signal and interpolation display data prepared in accordance with the input image signal**

during at least one time period among a plurality of time periods in one cycle in a displaying of said display means, whereas supplying said each of the data signal line driving means with the other one of the display data and the interpolation display data during at least one other time period among the plurality of time periods (Applicant's claim 1, 11, 29, 39, and 40).

Takahara et al. (US Patent 6545653) discloses a control means (i.e. 31) for supplying each of the data signal line driving means (33, 38b) with either one of the display data corresponding to input image signal (i.e. source signal) and interpolation display data prepared in accordance with the input image signal, but Takahara does not disclose **a control means for supplying each of the data signal line driving means with either one of the display data corresponding to input image signal and interpolation display data prepared in accordance with the input image signal during at least one time period among a plurality of time periods in one cycle in a displaying of said display means, whereas supplying said each of the data signal line driving means with the other one of the display data and the interpolation display data during at least one other time period among the plurality of time periods (Applicant's claim 1, 11, 29, 39, and 40).**

(2) Regarding claims 19- 28, and 33- 37:

The prior art of record does not teach or suggest that **(a) controlling the scanning signal line driving means such that the scanning signal lines in the**

respective display sections are scanned collaterally and the scanning signal lines in the respective display sections are sequentially selected during a plurality of time periods of one cycle in a displaying of the display means, so as to repeatedly scan the respective display sections in the one cycle as many times as the number of the time periods, and (b) supplying the data signal line driving means of the respective display sections with either one of the display data corresponding to an input image signal and an interpolation display data prepared in accordance with the input image signal during at least one of the time periods whereas with the other during at least one other time period, said control means supplying the data signal line driving means of the second display section with an interpolation display data prepared in accordance with the input image signal during the first time period whereas with the display data corresponding to the input image signal during the second time period (Applicant's claim 19, 28, 33, and 37).

(3) Regarding claims 12-18, 38 and 41:

The prior art of record does not teach or suggest that (a) controlling the scanning signal line driving means such that the scanning signal lines in the respective display sections are scanned collaterally and the scanning signal lines in the respective display sections are sequentially selected during a plurality of time periods of one cycle in a displaying of the display means, so as to repeatedly scan the respective display sections in the one cycle as many times as the number of the time periods, and (b) supplying the data signal line

driving means of the respective display sections with either one of the display data corresponding to an input image signal and an interpolation display data prepared in accordance with the input image signal during at least one of the time periods whereas with the other during at least one other time period.
(Applicant's claim 12, 18 38, and 41)

The reference above singly or combined does not teach the uniquely distinct features of the claimed invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issues fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Inquiry

4. Any inquiry concerning this communication or earlier communication from the examiner should be directed to **Shaheda Abdin** whose telephone number is (571) 270-1673.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard HJerpe** could be reached at (571) 272-7691. The fax phone

Art Unit: 2629

number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about PAIR system, see <http://pari-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Shaheda Abdin

04/10/2008

/Richard Hjerpe/

Supervisory Patent Examiner, Art Unit 2629

.....